

WHAT IS CLAIMED IS:

1. A method for sending data in a hearing aid system, comprising:
assigning a priority for a send operation; and
sending a data packet with a length as a function of the assigned priority.
2. The method according to claim 1, further comprising:
receiving data of a second priority; and
temporarily terminating the sending of the data packet, if the second priority is
higher than the assigned priority.
3. The method according to claim 1, wherein a manual control process causes a
send with the highest priority.
4. The method according to claim 1, further comprising:
synchronizing two hearing aids in the hearing aid system with data packets of
a lowest priority.
5. The method according to claim 1, wherein only a single communication
channel is available in the hearing aid system.
6. The method according to claim 1, further comprising:
structuring a first part of the data packet to comprise user data or a preamble;
and
structuring a second part of the data packet to comprise at least one of the
same user data and other user data.

7. The method according to claim 1, wherein the data packet has a length of $(N+1)$ data words, with N defining the priority as a whole number.
8. The method according to claim 1, further comprising:
reserving a communication channel for a predefined period of time after a send with the highest priority.
9. A device for sending data for a hearing aid system, comprising:
an assigning device configured for assigning a priority for a send operation;
a preparation device configured for preparing data to be sent in a data packet with a length as a function of the assigned priority; and
a sending device configured for sending the prepared data.
10. The device according to claim 9, further comprising:
a reception device configured to receive data of a second priority; and
a controller, which is connected with the sending device and the reception device, configured to temporarily terminate the send operation through the sending device in case the second priority is higher than the assigned priority.
11. The device according to claim 9, wherein a highest priority can be assigned with the assigning device when a manual control is registered with the preparation device.
12. The device according to claim 9, wherein a lowest priority can be assigned with the assigning device when synchronization data for synchronizing two hearing aids are prepared with the preparation device.

13. The device according to claim 9, wherein only a single communication channel is available in the hearing aid system.
14. The device according to claim 9, further comprising a configuration attribute permitting integration into a hearing aid or remote control.
15. The device according to claim 9, wherein a first part of the data packet comprises user data or a preamble and a second part contains at least one of the same user data and other user data.
16. The device according to claim 9, wherein the data packet has a length of $(N+1)$ data words, with N defining the priority as a whole number.
17. The device according to claim 9, further comprising:
a controller for controlling the sending device so that after a send with a highest priority in the hearing aid system, the sending device can be switched to inactive for a predefined time.
18. A method for sending data in a hearing aid system, comprising:
sending data of a first priority;
receiving data of a second priority; and
temporarily terminating the send if the second priority is higher than the first priority.

19. The method according to claim 18, wherein only a single communication channel is present in the hearing aid system.
20. The method according to claim 18, further comprising:
constructing a first part of the data packet to comprise user data or a preamble; and
comprising a second part of the data packet to comprise at least one of the same user data and other user data.
21. The method according to claim 18, wherein the data packet has a length of $(N+1)$ data words, with N defining the priority as a whole number.
22. The method according to claim 18, further comprising:
reserving a communication channel for a predetermined time after a send with a highest priority.
23. A device for sending data for a hearing aid system, comprising:
a sending device configured for sending a data packet of a first priority;
a reception device configured for receiving data of a second priority; and
a controller, which is connected with the sending device and the reception device, for the temporary termination of the send operation through the sending device in case the second priority is higher than the first priority.
24. The device according to claim 23, whereby only a single communication channel is available in the hearing aid system.

25. The device according to claim 23, further comprising a configuration attribute permitting integration into a hearing aid or remote control.

26. The device according to claim 23, wherein a first part of the data packet comprises user data or a preamble, and a second part of the data packet contains at least one of the same user data and other user data.

27. The device according to claim 23, wherein the data packet has a length of $(N+1)$ data words, with N defining the priority as a whole number.

28. The device according to claim 23, wherein, after a reception of data of a highest priority, the controller is configured to switch the sending device to inactive for a predefined period of time.

29. A hearing aid comprising:
a device for sending data for a hearing aid system, the device comprising:
an assigning device configured for assigning a priority for a send operation;
a preparation device configured for preparing data to be sent in a data packet with a length as a function of the assigned priority; and
a sending device configured for sending the prepared data.

30. A hearing aid comprising:
a device for sending data for a hearing aid system, the device comprising:
a sending device configured for sending a data packet of a first priority;

a reception device configured for receiving data of a second priority;
and

a controller, which is connected with the sending device and the reception device, for the temporary termination of the send operation through the sending device in case the second priority is higher than the first priority.

31. A remote control comprising:

a device for sending data for a hearing aid system, the device comprising:

an assigning device configured for assigning a priority for a send operation;

a preparation device configured for preparing data to be sent in a data packet with a length as a function of the assigned priority; and

a sending device configured for sending the prepared data.

32. A remote control comprising:

a device for sending data for a hearing aid system, the device comprising:

a sending device configured for sending a data packet of a first priority;

a reception device configured for receiving data of a second priority;
and

a controller, which is connected with the sending device and the reception device, for the temporary termination of the send operation through the sending device in case the second priority is higher than the first priority.